

**A**

	YPD	Sc-His	Lac Z
mER $\beta$ -BD+EC1-AD			
mER $\beta$ -BD+AD			
BD+EC1-AD			

**B**

	YPD	Sc-His	Lac Z
hER $\alpha$ -BD+EC1-AD			
hER $\alpha$ -BD+TIF2-AD			
hER $\alpha$ -BD+TRIP1-AD			

FIG. 1

**A**

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EC1.txt 1:-----CGGGAGCAAGGCATCAGCTTGGCGGGAGCGCCAGATCGTG 42
mad2.txt ATGGCGGTGCAGCTCTCCCGGGAGCAGGGAATCAGCTTGGCGGGAGCGCCAGATCGTG 60
          .....

EC1.txt 43:GCGGAGTTCTTCTCATTGGTATCAACAGTATTTATATCAGCGTGGCATATATCCATCG 102
mad2.txt 61:GCGGAGTTCTTCTCATTGGCATCAACAGCATTATATATCAGCGTGGCATATATCCATCG 120
          .....

EC1.txt 103:GAAACCTTTACTCGAGTGCAGAAATATGGACTCAGCTTGGTTGTAAGTACTGATCCTGAG 162
mad2.txt 121:GAAACCTTTACTCGAGTGCAGAAATACGGACTCAGCTTGGTTGTAAGTACTGATCCTGAG 180
          .....

EC1.txt 163:CTCATAAATACCTAAATAATGTGGTGGATCAACTAAAGAAATGGTTATACAAGTGTTC 222
mad2.txt 181:CTCATAAATACCTAAATAATGTGGTGGAAACAACTGAAAGATTTGGTTATACAAGTGTTC 240
          .....

EC1.txt 223:GTTTCAGAACTGGTGGTAGTCATCTCAAATATTGAAAGTGGAGAGTTCCTTGAAAGATGG 282
mad2.txt 241:GTTTCAGAACTGGTGTAGTTATCTCAAATATTGAAAGTGGTGGAGTTCCTTGAAAGATGG 300
          .....

EC1.txt 283:CAGTTTGTATATTGAGTGTGACAAGACTGCAAAAGATGACAGTGCACCCAGAGAAAAGTCT 342
mad2.txt 301:CAGTTTGTATATTGAGTGTGACAAGACTGCAAAAGATGACAGTGCACCCAGAGAAAAGTCT 360
          .....

EC1.txt 343:CAGAAAGCTATCCAAGATGAAATCCGTTCAATGATCAGACAGATCACAGCTACAGTAACA 402
mad2.txt 361:CAGAAAGCTATCCAAGATGAAATCCGTTCAATGATCAGACAGATCACAGCTACAGTGTACA 420
          .....

EC1.txt 403:TTTCTGCCACTGTTGGAAGTTTCTTGTTCATTGATCTCTCATTTATACAGACAAAGAT 462
mad2.txt 421:TTTCTGCCACTGTTGGAAGTTTCTTGTTCATTGATCTCTCATTTATACAGACAAAGAT 480
          .....

EC1.txt 463:CTGGTTGTNCCTGAGAAATGGGAAGA-TCNGSACCACAGTTCATTACCAATTCTGAAGAA 521
mad2.txt 481:TTGGTTGTACCTGAAAAATGGGAAGAGTCCGGSACCACAGTTCATTACCAATTCTGAAGAA 540
          .....

EC1.txt 522:GTTGCTCTCGTTTCATTCACTACTACAATTCACAAAGTAAATAGCATGGTAGCCTACAAA 581
mad2.txt 541:GTGCGCCTTCGTTTCATTCACTACTACAATTCACAAAGTAAATAGCATGGTAGCCTACAAA 600
          .....

EC1.txt 582:ATTCCTGTCCATGACTGA 599
mad2.txt 601:ATTCCTGTCAATGACTGA 618
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**B**

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EC-1: 1 REQGITLPGSAEIVAEFFSFGINSILYQRGIYPSETFTRVQKYGLTLLVTTDPELIKLYLN 60
      REQGITL GSAEIVAEFFSFGINSILYQRGIYPSETFTRVQKYGLTLLVTTD ELIKLYLN

hsMAD2: 7 REQGITLRGSAEIVAEFFSFGINSILYQRGIYPSETFTRVQKYGLTLLVTTDLELIKLYLN 66

EC-1: 61 NVVDQLKEWLYKCSVQKLVVVISNIESGEVLERWQFDIECDKTAKDSDAPRQKSQKAIQD 120
      NVV+QLK+WLYKCSVQKLVVVISNIESGEVLERWQFDIECDKTAKDSDAPR+KSQKAIQD

hsMAD2: 67 NVVEQLKDWLYKCSVQKLVVVISNIESGEVLERWQFDIECDKTAKDSDAPREKSQKAIQD 126

EC-1: 121 EIRSVIRHITATVTFLPLLEVSCSFLLIYTKDLVVPKWEKSGPQFITNSEELRLRSF 180
      EIRSVIR ITATVTFLPLLEVSCSFLLIYTKDLVVPKWE SGPQFITNSEE+RLRSF

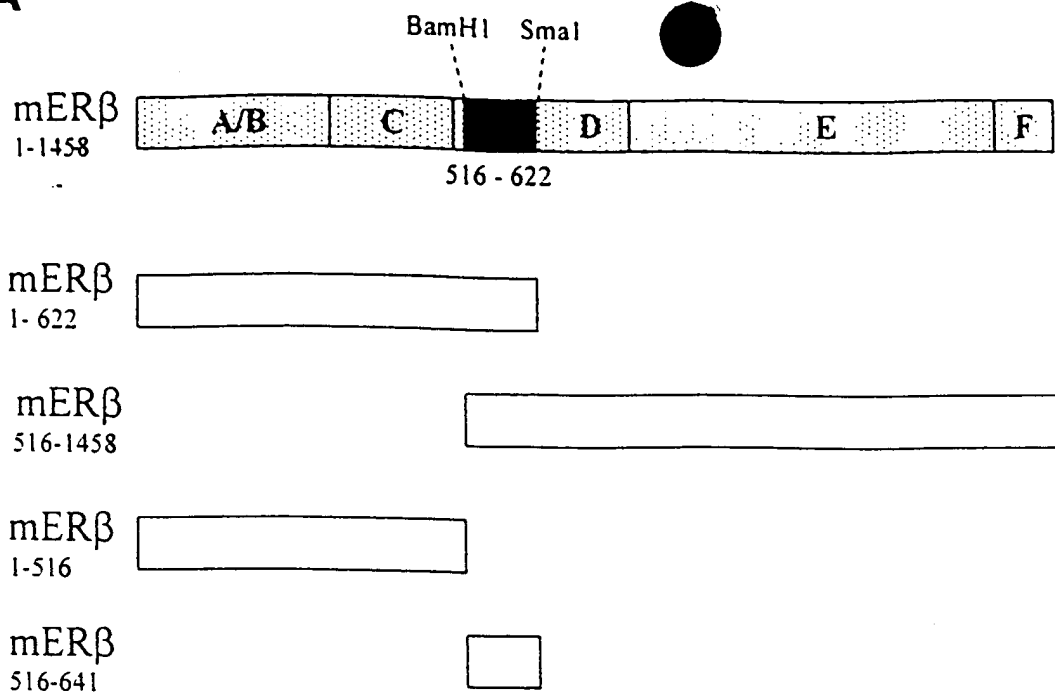
hsMAD2: 127 EIRSVIRQITATVTFLPLLEVSCSFLLIYTKDLVVPKWEESGPQFITNSEEVLRLRSF 186

EC-1: 181 TTTIHKVNSMVAYKIPVHD 199
      TTTIHKVNSMVAYKIPV+D

hsMAD2: 187 TTTIHKVNSMVAYKIPVND 205

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FIG. 2

**A****B**

BD	AD	HIS	β-Gal
EC1	/ -	-	-
EC1	/ AD	-	-
EC1	/ mERβ516-1458	+	+
EC1	/ mERβ	+	+
BD	/ mERβ516-1458	-	-
mERα	/ mERβ516-1458	+	+
mERβ1-622	/ EC1	+	+
mERβ1-516	/ EC1	-	-
mERβ 516-641	/ EC1	-	-
mERβ1-622	/ AD	-	-
mERβ1-516	/ AD	-	-
mERβ	/ EC1	+	+
BD	/ EC1	-	-

FIG. 3

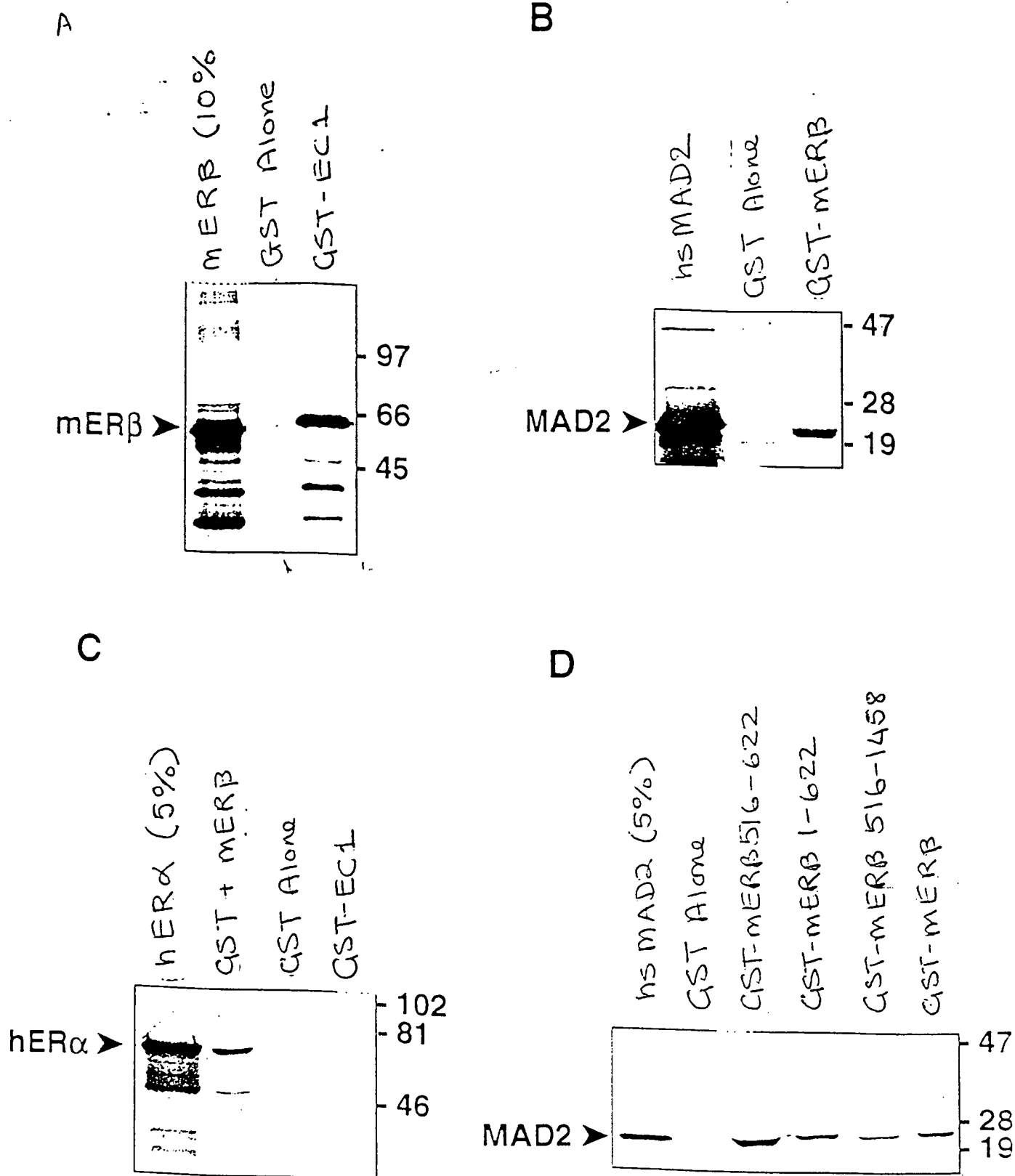


FIG. 4